Author index

Abegaz, M. 1
Andrieux, C.P. 191
Arciero, D.M. 277
Arévalo, M.C. 167
Argoul, F. 93
Arvia, A.J. 167
Atchison, S.N. 137

Babenko, S.D. 27
Bekele, A. 1
Bulhões, L.O.S. 267
Burford, R.P. 137
Byzova, N.A. 85

Collins, M.J. 277

Darlewski, W. 223
Dubbe, A. 43

Encinas, P. 161

Galus, Z. 197
Gonçalves, D. 267
González, S. 167
Göpel, W. 43
Gouveia, V.J.P. 37
Graichen, K. 1
Gutz, I.G. 37

Hibbert, D.B. 137
Hölzle, M.H. 101
Hombo, J. 241
Hooper, A.B. 277
Hoshino, K. 127
Huang, M. 117
Hundhammer, B. 1

Ikezumi, K. 53
Iwasita, T. 167

Kalra, K.C. 73
Karyakin, A.A. 259
Kobayashi, H. 53
Kogetsu, Y. 53
Kokado, H. 127
Kokkinidis, G. 231
Kolb, D.M. 101
Koper, M.T.M. 149
Kruijt, W.S. 13
Kuhn, A. 93
Kupis, D. 197
Kuznetsov, B.A. 85

Laviron, E. 251
Le Gorande, A. 191
Lorenzo, L. 161

Macagno, V.A. 59
Mathieu, E. 251
Matsue, T. 273
Matsumoto, Y. 241
Matvienko, B. 267
Meunier-Prest, R. 251
Milchev, A. 13
Minoura, H. 205
Miwa, Y. 273

Nagaoka, T. 283
Nagata, M. 241
Nakabayashi, S. 111
Nakao, N. 283
Nakato, Y. 53
Navarro, I. 179
Nie, L. 117
Nishizawa, M. 273

Ochmańska, J. 197
Ogura, K. 283
Ota, K.-i. 287

Papoutsis, A. 231
Pastor, E. 167
Patrito, E.M. 59
Ponomarev, E.A. 27
Prieto, F. 179

Retter, U. 101
Rodríguez Mellado, J.M. 215
Rosłonek, G. 223
Rubim, J.C. 37
Rueda, M. 179
Ruiz Montoya, M. 215

Sánchez-Batanero, P. 161
Sasaki, T. 241
Savéant, J.-M. 191
Sharon, M. 205
Shen, D. 117
Shimizu, M. 205
Shumakovich, G.P. 85
Singh, K.C. 73
Singh, M. 73
Sluyters, J.H. 13, 149, 179
Sluyters-Rehbach, M. 13, 179
Solomon, T. 1
Strakhova, A.K. 259

Tabusa, K. 283
Taraszewska, J. 223
Tascón, M.L. 161

Uchida, I. 273
Uosaki, K. 111
Ushizaki, J.-i. 111

Vázquez, M.D. 161
Veluchamy, P. 205

Wasmus, S. 167
Wiemhöfer, H.D. 43

Xia, S.-J. 79

Yamazaki, O. 287
Yano, J. 283
Yao, S. 117
Yatsimirsky, A.K. 259
Yoshitake, H. 287

Zerihun, T. 1
Zhou, W.-F. 79

Subject index

Acetone + methanol mixtures
Improvement of n-Si photoelectrochemical cells by the use of acetone + methanol mixtures as electrolyte solvents (Kobayashi et al.) 53
α-dicarbonyl compounds
Reduction mechanisms of some α-dicarbonyl compounds in basic solutions (Ruiz Montoya, Rodríguez Mellado) 215
Aluminum substrates
Mechanism of electrochemical pigment film formation on aluminum substrates using aqueous surfactant media (Hoshino, Kokado) 127
Anodic film
Studies of the anodic film on lead + bismuth alloy in sulfuric acid solution (Xia, Zhou) 79
Anodic films
Electrical breakdown of anodic films on titanium in aqueous electrolytes (Kalra et al.) 73
Anodic zirconium oxide films
Influence of the forming electrolyte on the optical properties of anodic zirconium oxide films. Part 1. Ellipsometric investigation (Patrito, Macagno) 59
Aqueous electrolytes
Electrical breakdown of anodic films on titanium in aqueous electrolytes (Kalra et al.) 73
Aqueous surfactant media
Mechanism of electrochemical pigment film formation on aluminum substrates using aqueous surfactant media (Hoshino, Kokado) 127
Au(111)
The kinetics of structural changes in Cu adlayers on Au(111) (Hölzle et al.) 101

Berlin green
Redox behaviour and charge transport in solid Berlin green. Microscopic and macroscopic charge diffusion (Ochmańska et al.) 197
Breakdown voltage
Electrical breakdown of anodic films on titanium in aqueous electrolytes (Kalra et al.) 73

Carbon paste electrodes
Electrochemical behavior of nickel tetraazamacrocyclic complexes incorporated into carbon paste electrodes: application in H_2O_2 electrocatalysis (Taraszewska et al.) 223
Charge diffusion
Redox behaviour and charge transport in solid Berlin green. Microscopic and macroscopic charge diffusion (Ochmańska et al.) 197
Chemical effects
Chemical effects on the morphology of supported electrodeposited metals (Atchison et al.) 137
Chemical modification
Electrochemical behavior of nickel tetraazamacrocyclic complexes incorporated into carbon paste electrodes: application in H_2O_2 electrocatalysis (Taraszewska et al.) 223
Chemical sensors
Ultrathin polypyrrole formed at a twin-microband electrode in the presence of dodecylsulfate (Nishizawa et al.) 273
>C=O group
The reduction mechanism of the >C=O group. Part 1. The electrochemical reduction of methyl isonicotinate in an aqueous medium (Laviron et al.) 251
CO_2 fixation
Photoelectrochemical kinetics of a photosynthetic cell (Nakabayashi et al.) 111
Computer simulation
Distribution of the nucleation rate in the vicinity of a growing spherical cluster. Part 2. Theory of some special cases and experimental results (Kruijt et al.) 13
Co oxide
Effect of La^{3+} ion on the electrodeposition of manganese and cobalt oxides (Sasaki et al.) 241
Covalent attachment
The effect of the orientation of cytochrome *c* molecules covalently attached to the electrode surface upon their electrochemical activity (Kuznetsov et al.) 85
C_3-primary alcohols
Spectroscopic investigations of C_3-primary alcohols on platinum electrodes in acid solutions. Part III. Propargyl alcohol (Pastor et al.) 167
Cu adlayers
The kinetics of structural changes in Cu adlayers on Au(111) (Hölzle et al.) 101

Dendrite
Revisited experimental analysis of morphological changes in thin-layer electrodeposition (Kuhn, Argoul) 93
1,2-dibromo-3-(4-substituted)-phenylpropanes
Reductive elimination in vicinal dibromides. Electrochemical reduction of 1,2-dibromo-3-(4-substituted)-phenylpropanes and induction of double-bond migration in the resulting olefins (Andrieux et al.) 191
Dodecylsulfate
Ultrathin polypyrrole formed at a twin-microband electrode in the presence of dodecylsulfate (Nishizawa et al.) 273
Double-bond migration
Reductive elimination in vicinal dibromides. Electrochemical reduction of 1,2-dibromo-3-(4-substituted)-phenylpropanes and induction of double-bond migration in the resulting olefins (Andrieux et al.) 191
Dropping mercury electrode
Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Part 2. Parallel mechanisms (Rueda et al.) 179
Dynamic elution
Dynamic elution control in electrochemical ion chromatography

using pulse perturbation of stationary phase potential (Nagaoka et al.) 283

Electrocatalytic reduction
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
Electrocatalytic surface reactions
Instabilities and oscillations in simple models of electrocatalytic surface reactions (Koper, Sluyters) 149
Electrochemical phase formation
Distribution of the nucleation rate in the vicinity of a growing spherical cluster. Part 2. Theory of some special cases and experimental results (Kruijt et al.) 13
Electrochemical reduction
Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Part 2. Parallel mechanisms (Rueda et al.) 179
Electrochemical transformations
Electrochemical study of iron(II) and iron(III) compound mixtures in the solid state. Application to magnetite characterization (Encinas et al.) 161
Electrochromism
Electrochromism of poly(*o*-methoxyaniline) films electrochemically obtained in aqueous medium (Gonçalves et al.) 267
Electrodeposition
Revisited experimental analysis of morphological changes in thin-layer electrodeposition (Kuhn, Argoul) 93
Mechanism of electrochemical pigment film formation on aluminum substrates using aqueous surfactant media (Hoshino, Kokado) 127
Effect of La^{3+} ion on the electrodeposition of manganese and cobalt oxides (Sasaki et al.) 241
Electrolyte interface
Theoretical analysis of the laser-induced phototransient response of semiconductor|electrolyte circuits with "current-doubling" reactions (Ponomarev, Babenko) 27
Electrolyte solvent
Improvement of n-Si photoelectrochemical cells by the use of acetone + methanol mixtures as electrolyte solvents (Kobayashi et al.) 53
Electronic current
Electrical breakdown of anodic films on titanium in aqueous electrolytes (Kalra et al.) 73
Electron transfer
The effect of the orientation of cytochrome *c* molecules covalently attached to the electrode surface upon their electrochemical activity (Kuznetsov et al.) 85
Electro-oxidation
Spectroscopic investigations of C_3-primary alcohols on platinum electrodes in acid solutions. Part III. Propargyl alcohol (Pastor et al.) 167
Electropolymerization
Self-doped polyanilines electrochemically active in neutral and basic aqueous solutions. Electropolymerization of substituted anilines (Karyakin et al.) 259
Electrochromism of poly(*o*-methoxyaniline) films electrochemically obtained in aqueous medium (Gonçalves et al.) 267
Electroreduction
Spectroscopic investigations of C_3-primary alcohols on platinum electrodes in acid solutions. Part III. Propargyl alcohol (Pastor et al.) 167
Electrosynthesis
Electrosynthesis of lead oxide film on a lead electrode in alkaline solution by a potentiodynamic method: its characterization and photoelectrochemical properties (Veluchamy et al.) 205
Ellipsometry
Influence of the forming electrolyte on the optical properties of anodic zirconium oxide films. Part 1. Ellipsometric investigation (Patrito, Macagno) 59

Fe(II)
A new spectroelectrochemical cell for flow injection analysis and its application to the determination of Fe(II) down to the femtomol level by surface-enhanced resonance Raman scattering (SERRS) (Gouveia et al.) 37
Fe(II) compounds
Electrochemical study of iron(II) and iron(III) compound mixtures in the solid state. Application to magnetite characterization (Encinas et al.) 161
Fe(III) compounds
Electrochemical study of iron(II) and iron(III) compound mixtures in the solid state. Application to magnetite characterization (Encinas et al.) 161
Femtoanalysis
A new spectroelectrochemical cell for flow injection analysis and its application to the determination of Fe(II) down to the femtomol level by surface-enhanced resonance Raman scattering (SERRS) (Gouveia et al.) 37
Flow injection
Investigation of ion transfer across the membrane-stabilized interface of two immiscible electrolyte solutions. Part III. Facilitated ion transfer (Hundhammer et al.) 1
Flow injection analysis
A new spectroelectrochemical cell for flow injection analysis and its application to the determination of Fe(II) down to the femtomol level by surface-enhanced resonance Raman scattering (SERRS) (Gouveia et al.) 37
Forming electrolyte
Influence of the forming electrolyte on the optical properties of anodic zirconium oxide films. Part 1. Ellipsometric investigation (Patrito, Macagno) 59
Frequency Response
Frequency response study of the kinetic behaviour of nernstian solid-electrolyte gas sensors by pressure modulation (Dubbe et al.) 43
Frequency shift
Equivalent circuits of piezoelectric quartz crystals in a liquid and liquid properties. Part 2. A unified equivalent circuit model for piezoelectric sensors (Shen et al.) 117

Gas sensors
Frequency response study of the kinetic behaviour of nernstian solid-electrolyte gas sensors by pressure modulation (Dubbe et al.) 43
Glassy carbon electrode
The effect of the orientation of cytochrome *c* molecules covalently attached to the electrode surface upon their electrochemical activity (Kuznetsov et al.) 85
Gold
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
Growing spherical cluster
Distribution of the nucleation rate in the vicinity of a growing spherical cluster. Part 2. Theory of some special cases and experimental results (Kruijt et al.) 13

Growth
Revisited experimental analysis of morphological changes in thin-layer electrodeposition (Kuhn, Argoul) 93

H_2O_2 electrocatalysis
Electrochemical behavior of nickel tetraazamacrocyclic complexes incorporated into carbon paste electrodes: application in H_2O_2 electrocatalysis (Taraszewska et al.) 223

Impedance analysis
Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Part 2. Parallel mechanisms (Rueda et al.) 179
Instabilities
Instabilities and oscillations in simple models of electrocatalytic surface reactions (Koper, Sluyters) 149
Interface
Revisited experimental analysis of morphological changes in thin-layer electrodeposition (Kuhn, Argoul) 93

Kinetics
Frequency response study of the kinetic behaviour of nernstian solid-electrolyte gas sensors by pressure modulation (Dubbe et al.) 43

La^{3+} ion
Effect of La^{3+} ion on the electrodeposition of manganese and cobalt oxides (Sasaki et al.) 241
Laser excitation
Theoretical analysis of the laser-induced phototransient response of semiconductor|electrolyte circuits with "current-doubling" reactions (Ponomarev, Babenko) 27
Lead acid batteries
Studies of the anodic film on lead + bismuth alloy in sulfuric acid solution (Xia, Zhou) 79
Lead electrode
Electrosynthesis of lead oxide film on a lead electrode in alkaline solution by a potentiodynamic method: its characterization and photoelectrochemical properties (Veluchamy et al.) 205
Lead oxide film
Electrosynthesis of lead oxide film on a lead electrode in alkaline solution by a potentiodynamic method: its characterization and photoelectrochemical properties (Veluchamy et al.) 205
Liquid/liquid interface
Investigation of ion transfer across the membrane-stabilized interface of two immiscible electrolyte solutions. Part III. Facilitated ion transfer (Hundhammer et al.) 1
Liquid properties
Equivalent circuits of piezoelectric quartz crystals in a liquid and liquid properties. Part 2. A unified equivalent circuit model for piezoelectric sensors (Shen et al.) 117

Macrocycles
Electrochemical behavior of nickel tetraazamacrocyclic complexes incorporated into carbon paste electrodes: application in H_2O_2 electrocatalysis (Taraszewska et al.) 223
Magnetite
Electrochemical study of iron(II) and iron(III) compound mixtures in the solid state. Application to magnetite characterization (Encinas et al.) 161
Mathematical models
Instabilities and oscillations in simple models of electrocatalytic surface reactions (Koper, Sluyters) 149
Membrane stabilization
Investigation of ion transfer across the membrane-stabilized interface of two immiscible electrolyte solutions. Part III. Facilitated ion transfer (Hundhammer et al.) 1
Methyl isonicotinate
The reduction mechanism of the >C=O group. Part 1. The electrochemical reduction of methyl isonicotinate in an aqueous medium (Laviron et al.) 251
Mn oxide
Effect of La^{3+} ion on the electrodeposition of manganese and cobalt oxides (Sasaki et al.) 241
Molecular orientation
The effect of the orientation of cytochrome *c* molecules covalently attached to the electrode surface upon their electrochemical activity (Kuznetsov et al.) 85
Morphological transition
Revisited experimental analysis of morphological changes in thin-layer electrodeposition (Kuhn, Argoul) 93
Morphology
Chemical effects on the morphology of supported electrodeposited metals (Atchison et al.) 137
Multiheme cytochromes
Low volume spectroelectrochemistry: an anaerobic optically transparent thin layer electrode cell and a potentiostat|UV-Vis spectrophotometer interface for computer-controlled data collection (Arciero et al.) 277

Nickel tetraazamacrocyclic complexes
Electrochemical behavior of nickel tetraazamacrocyclic complexes incorporated into carbon paste electrodes: application in H_2O_2 electrocatalysis (Taraszewska et al.) 223
Nitro compounds
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
2-Nitroimidazole
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
4-Nitroimidazole
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
4-Nitropyridine-*N*-oxide
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
Nucleation rate
Distribution of the nucleation rate in the vicinity of a growing spherical cluster. Part 2. Theory of some special cases and experimental results (Kruijt et al.) 13

Olefins
Reductive elimination in vicinal dibromides. Electrochemical reduction of 1,2-dibromo-3-(4-substituted)-phenylpropanes and induction of double-bond migration in the resulting olefins (Andrieux et al.) 191
Optical properties
Influence of the forming electrolyte on the optical properties of anodic zirconium oxide films. Part 1. Ellipsometric investigation (Patrito, Macagno) 59

Oscillations
Instabilities and oscillations in simple models of electrocatalytic surface reactions (Koper, Sluyters) 149

Parallel reaction mechanisms
Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Part 2. Parallel mechanisms (Rueda et al.) 179

Pb + Bi alloy
Studies of the anodic film on lead + bismuth alloy in sulfuric acid solution (Xia, Zhou) 79

Phase composition
Studies of the anodic film on lead + bismuth alloy in sulfuric acid solution (Xia, Zhou) 79

Photoelectrochemical kinetics
Photoelectrochemical kinetics of a photosynthetic cell (Nakabayashi et al.) 111

Photoelectrochemical properties
Electrosynthesis of lead oxide film on a lead electrode in alkaline solution by a potentiodynamic method: its characterization and photoelectrochemical properties (Veluchamy et al.) 205

Photosynthetic cell
Photoelectrochemical kinetics of a photosynthetic cell (Nakabayashi et al.) 111

Piezoelectric sensors
Equivalent circuits of piezoelectric quartz crystals in a liquid and liquid properties. Part 2. A unified equivalent circuit model for piezoelectric sensors (Shen et al.) 117

Pigment film
Mechanism of electrochemical pigment film formation on aluminum substrates using aqueous surfactant media (Hoshino, Kokado) 127

Platinum electrodes
Spectroscopic investigations of C_3-primary alcohols on platinum electrodes in acid solutions. Part III. Propargyl alcohol (Pastor et al.) 167

Polarography
Reduction mechanisms of some α-dicarbonyl compounds in basic solutions (Ruiz Montoya, Rodríguez Mellado) 215

Polyanilines
Self-doped polyanilines electrochemically active in neutral and basic aqueous solutions. Electropolymerization of substituted anilines (Karyakin et al.) 259

Polyaniline semiconducting films
Self-doped polyanilines electrochemically active in neutral and basic aqueous solutions. Electropolymerization of substituted anilines (Karyakin et al.) 259

Poly(*o*-methoxyaniline) films
Electrochromism of poly(*o*-methoxyaniline) films electrochemically obtained in aqueous medium (Gonçalves et al.) 267

Polypyrrole
Ultrathin polypyrrole formed at a twin-microband electrode in the presence of dodecylsulfate (Nishizawa et al.) 273

Pressure modulation
Frequency response study of the kinetic behaviour of nernstian solid-electrolyte gas sensors by pressure modulation (Dubbe et al.) 43

Propargyl alcohol
Spectroscopic investigations of C_3-primary alcohols on platinum electrodes in acid solutions. Part III. Propargyl alcohol (Pastor et al.) 167

Pulse perturbation
Dynamic elution control in electrochemical ion chromatography using pulse perturbation of stationary phase potential (Nagaoka et al.) 283

Pyrimidine
Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Part 2. Parallel mechanisms (Rueda et al.) 179

Quality factor
Equivalent circuits of piezoelectric quartz crystals in a liquid and liquid properties. Part 2. A unified equivalent circuit model for piezoelectric sensors (Shen et al.) 117

Reaction kinetics
Theoretical analysis of the laser-induced phototransient response of semiconductor|electrolyte circuits with "current-doubling" reactions (Ponomarev, Babenko) 27
Reduction mechanisms of some α-dicarbonyl compounds in basic solutions (Ruiz Montoya, Rodríguez Mellado) 215
The reduction mechanism of the >C=O group. Part 1. The electrochemical reduction of methyl isonicotinate in an aqueous medium (Laviron et al.) 251

Redox behaviour
Redox behaviour and charge transport in solid Berlin green. Microscopic and macroscopic charge diffusion (Ochmańska et al.) 197

Reduction mechanism
The reduction mechanism of the >C=O group. Part 1. The electrochemical reduction of methyl isonicotinate in an aqueous medium (Laviron et al.) 251

Reductive bond cleavage
Reductive elimination in vicinal dibromides. Electrochemical reduction of 1,2-dibromo-3-(4-substituted)-phenylpropanes and induction of double-bond migration in the resulting olefins (Andrieux et al.) 191

Self-doped
Self-doped polyanilines electrochemically active in neutral and basic aqueous solutions. Electropolymerization of substituted anilines (Karyakin et al.) 259

Semiconducter electrodes
Photoelectrochemical kinetics of a photosynthetic cell (Nakabayashi et al.) 111

Semiconducting properties
Studies of the anodic film on lead + bismuth alloy in sulfuric acid solution (Xia, Zhou) 79

Semiconductor
Theoretical analysis of the laser-induced phototransient response of semiconductor|electrolyte circuits with "current-doubling" reactions (Ponomarev, Babenko) 27

n-Si photoelectrochemical cells
Improvement of n-Si photoelectrochemical cells by the use of acetone + methanol mixtures as electrolyte solvents (Kobayashi et al.) 53

Solar cells
Improvement of n-Si photoelectrochemical cells by the use of acetone + methanol mixtures as electrolyte solvents (Kobayashi et al.) 53

Spectroelectrochemical cell
A new spectroelectrochemical cell for flow injection analysis and its application to the determination of Fe(II) down to the femtomol level by surface-enhanced resonance Raman scattering (SERRS) (Gouveia et al.) 37

Spectroelectrochemistry
Low volume spectroelectrochemistry: an anaerobic optically transparent thin layer electrode cell and a potentiostat|UV-Vis spectrophotometer interface for computer-controlled data collection (Arciero et al.) 277

Stationary phase potential
Dynamic elution control in electrochemical ion chromatography using pulse perturbation of stationary phase potential (Nagaoka et al.) 283
Structural characteristics
Electrosynthesis of lead oxide film on a lead electrode in alkaline solution by a potentiodynamic method: its characterization and photoelectrochemical properties (Veluchamy et al.) 205
Structural kinetics
The kinetics of structural changes in Cu adlayers on Au(111) (Hölzle et al.) 101
Supported electrodeposited metals
Chemical effects on the morphology of supported electrodeposited metals (Atchison et al.) 137
Surface-enhanced resonance Raman scattering
A new spectroelectrochemical cell for flow injection analysis and its application to the determination of Fe(II) down to the femtomol level by surface-enhanced resonance Raman scattering (SERRS) (Gouveia et al.) 37
Surface structure
Influence of the forming electrolyte on the optical properties of anodic zirconium oxide films. Part 1. Ellipsometric investigation (Patrito, Macagno) 59

Titanium
Electrical breakdown of anodic films on titanium in aqueous electrolytes (Kalra et al.) 73
Transition metal hexacyanoferrates
Redox behaviour and charge transport in solid Berlin green. Microscopic and macroscopic charge diffusion (Ochmańska et al.) 197
Twin-microband electrode
Ultrathin polypyrrole formed at a twin-microband electrode in the presence of dodecylsulfate (Nishizawa et al.) 273

Ultrathin films
Ultrathin polypyrrole formed at a twin-microband electrode in the presence of dodecylsulfate (Nishizawa et al.) 273
Underpotential deposition
The kinetics of structural changes in Cu adlayers on Au(111) (Hölzle et al.) 101
Electrocatalytic reduction of nitro compounds on gold UPD modified electrodes. Part 2. Reduction of 2-nitro- and 4-nitroimidazole and 4-nitropyridine-*N*-oxide on Au and Au/M(UPD) (M = Pb, Tl) (Papoutsis, Kokkinidis) 231
Unified equivalent circuit model
Equivalent circuits of piezoelectric quartz crystals in a liquid and liquid properties. Part 2. A unified equivalent circuit model for piezoelectric sensors (Shen et al.) 117

Vicinal dibromides
Reductive elimination in vicinal dibromides. Electrochemical reduction of 1,2-dibromo-3-(4-substituted)-phenylpropanes and induction of double-bond migration in the resulting olefins (Andrieux et al.) 191
Voltammetry
Reduction mechanisms of some α-dicarbonyl compounds in basic solutions (Ruiz Montoya, Rodríguez Mellado) 215